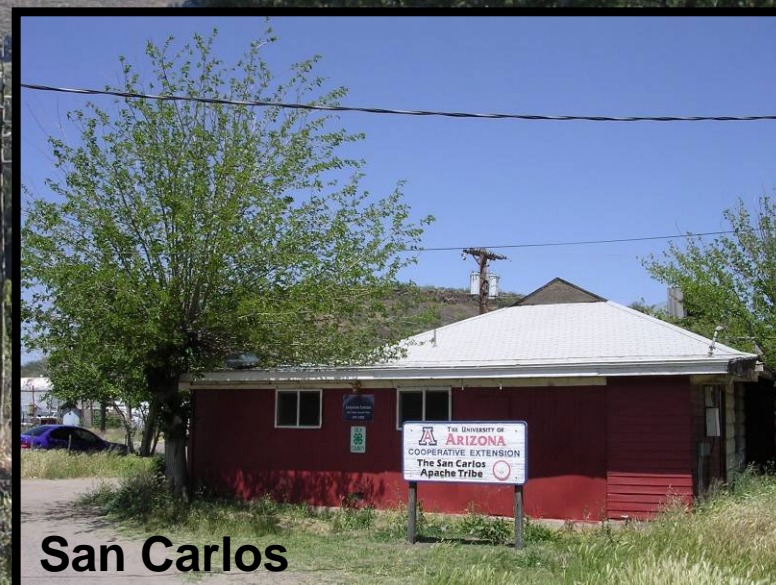


Gila County Cooperative Extension Budget Request for 2013



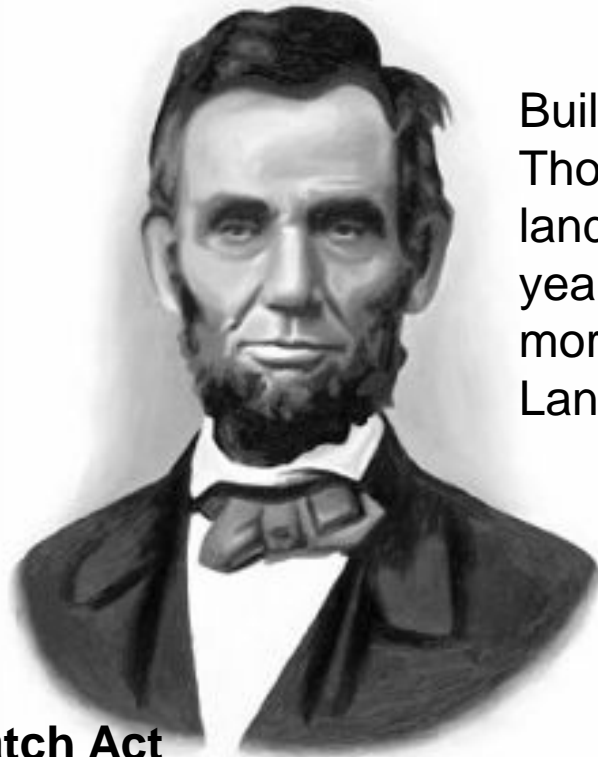
COLLEGE OF
AGRICULTURE
& LIFE SCIENCES
COOPERATIVE EXTENSION
Gila County



From its earliest beginning Cooperative Extension has been about bringing science into the lives of people to improve agricultural production and to better the lives of families and communities.



Greenlee County Agent John L. Sears, left, shows farmer how to sample soil, 1953.



Building upon the principles espoused by Thomas Jefferson and George Washington, land grant Colleges were established 150 years ago (July 2, 1862) to make education more widely available through the Morrill Land Grant College Act.

1887 – Hatch Act

Considerable hue and cry among the agricultural community as well as the academics like Seaman Knapp led to the establishment of federally sponsored agricultural experiment stations at land grant colleges.

1914 – Smith-Lever Act

Created the Cooperative Extension Service, a joint effort between the college of agriculture in each state and the USDA. 1080 male & 355 female agents hired 1st yr

How We Serve

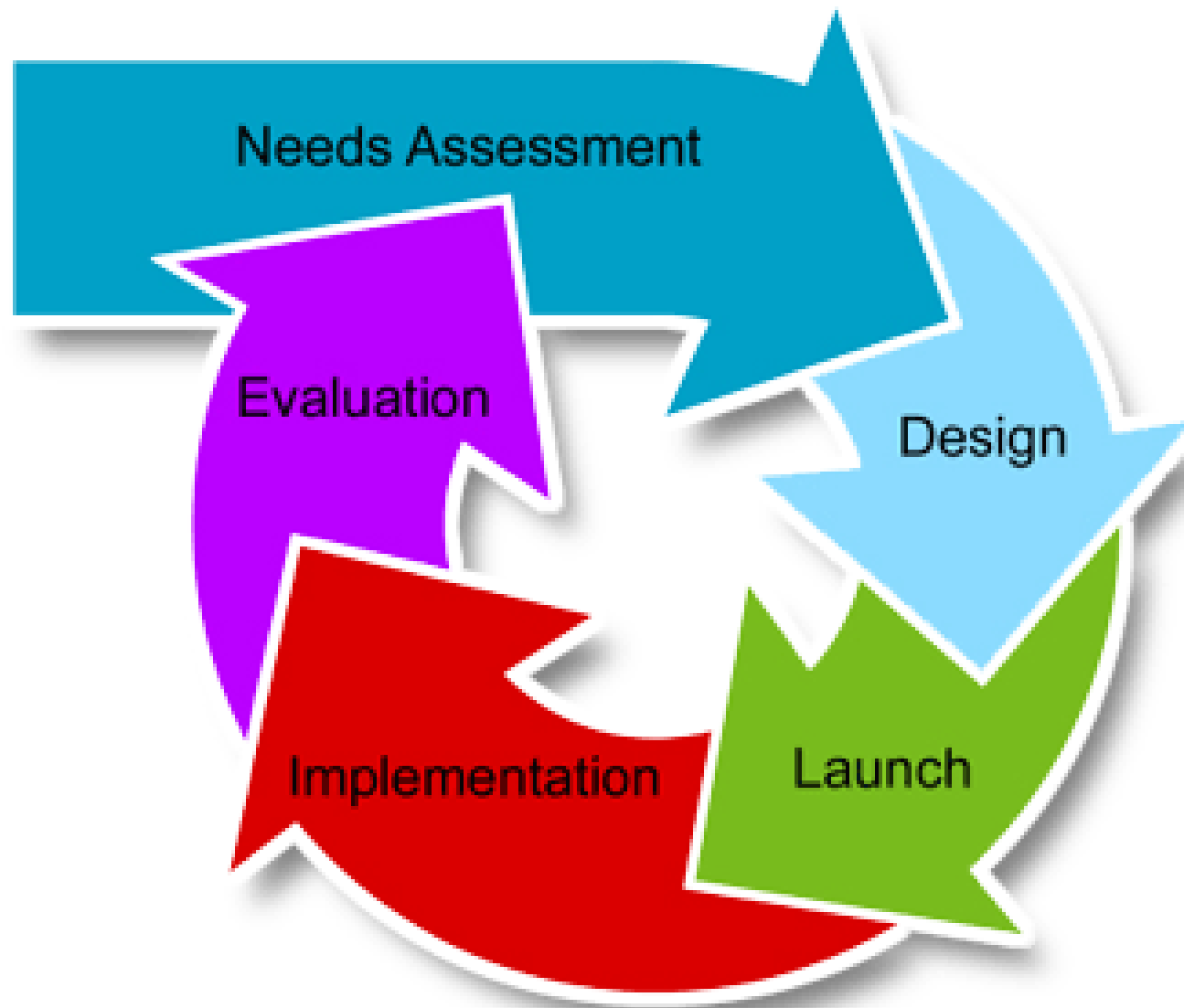
- We are unique because our teaching efforts are made possible by a cooperative effort between the Federal Government, the University of Arizona's College of Agriculture and Life Sciences and each of the counties we serve.



Cooperative Extension Arizona Revised Statutes

- 1974 – AZ House Bill # 2125
- Amended by House Engrossed Senate Bill 1306 & signed by Governor in 1986
- Board of Supervisors in each county shall:
 - Appoint a 7 member Advisory Board, 4 of which have as their principal business in agricultural production
 - Provide reasonable office space/utilities for Extension work
 - Review and approve (or revise) the budget for Extension submitted by the Advisory Board to be placed on tax rolls
 - Submit collected budget to U of A Comptroller

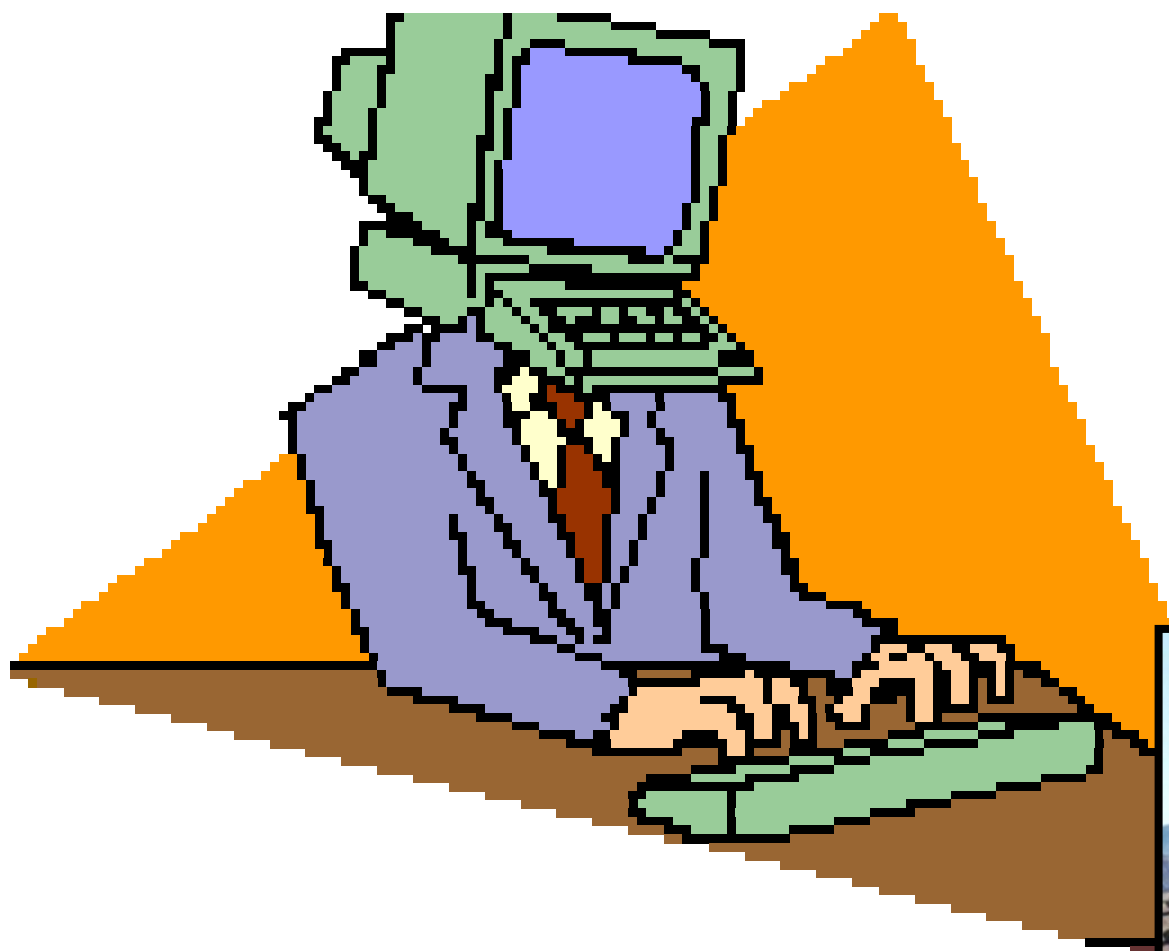




<http://www.nrc4tribes.org/announcements/onlinenationaltribalchildwelfareneedsassessment>

Addressing Critical Issues in Gila County

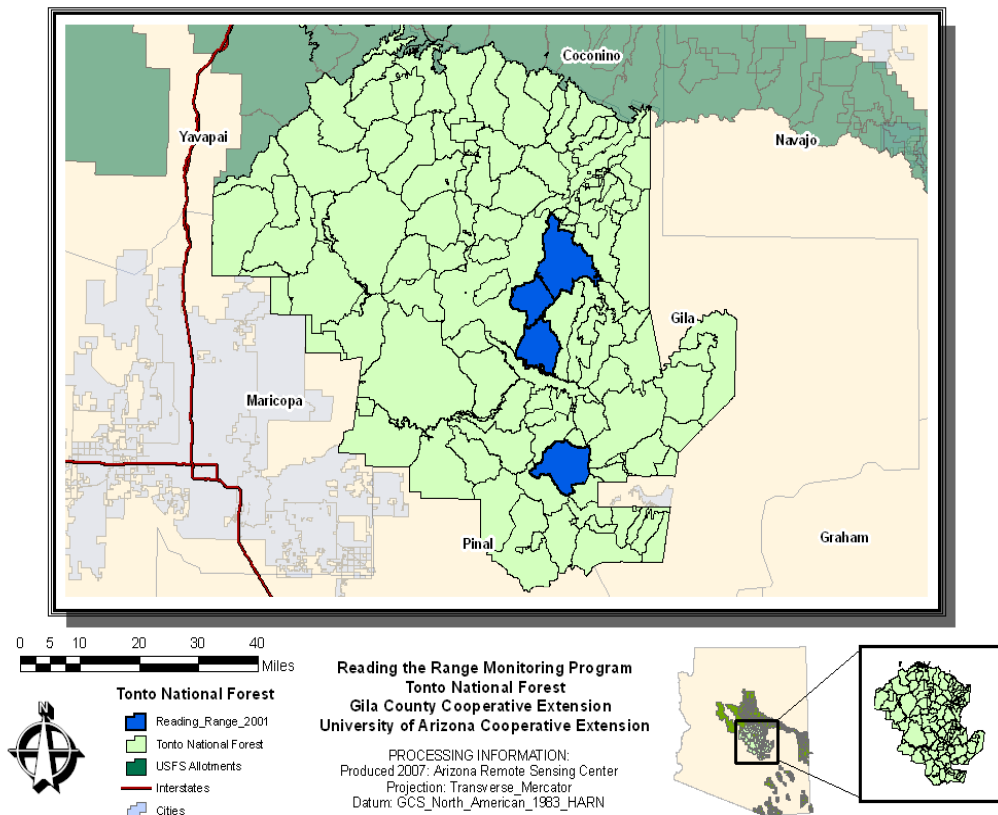




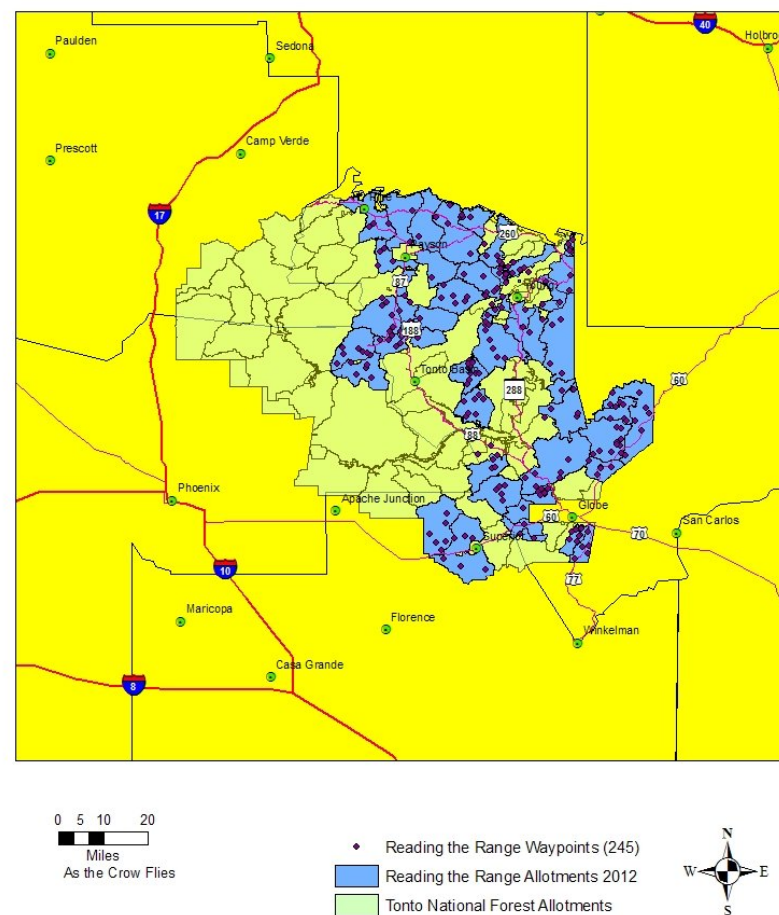
In 2000, little “on the ground” data existed upon which to base federal grazing permit decisions.



Reading the Range Monitoring Program Allotments Monitored in 2001



2012 Reading the Range Allotments



Change on the Range Documented



1st Ridge, Total Species Composition from Perennial Grasses

	2001	2005
Distance to Closest Plant, cm	13.2	8.9
Bare Ground, %	35	23
Live Basal Perennial Vegetation, %	5.0	9.2
Threeawn Frequency, %	1	20
Spidergrass Threeawn Frequency, %	11	32

2001
2009

8 %
40 %

Items in red are different ($P < 0.05$)

Today, Reading the Range Data are being incorporated in NEPA decision documents.



Climate & Natural Resources

- Chris Jones provides national leadership to help build Extension capacity to address climate issues.
- \$40,000 USDA grant to support the Climate, Forests and Woodlands eXtension Community of Practice (Chris Jones: PI)
- Chris received the Outstanding Team Award from the University of AZ College of Agriculture and Life Sciences. Chris is the founder and co-chair of this *Environment & Sustainability Extension Signature Program Team*.



Chris Jones and Mark Apel receive the 2012 UA CALS Outstanding Team award, pictured with Extension Director Jeff Silvertooth.



Family health issues are critical in the USA.

In Arizona, Gila County is ranked 15th out of 15 counties for health.¹

¹<http://www.countyhealthrankings.org/arizona/gila>

Gila County Cooperative Extension is a part of The Arizona Nutrition Network

- Promote Healthy eating & physical activity
- SNAP-Ed: Supplemental Nutrition Assistance Program Education is providing nutrition education to both children and adult participants
- All schools in Gila County are eligible for SNAP-ED
- Nutrition Education is being taught at:
 - After-school and summer programs
 - Department of Economic Security
 - Public Housing
 - Food Banks
 - Women, Infants, & Children (WIC)



GILA COUNTY COOPERATIVE EXTENSION & MASTER GARDENERS SUPPORT GLOBE-MIAMI FARMERS MARKET

- 21-week summer market in 2012.
 - \$31,729 in total receipts.
 - (\$4,368 more than last year).
 - Approx. 15 vendors/week.
 - 150-200 customers weekly.
-
- **GMFM 2013:** June 8th
through October 5th

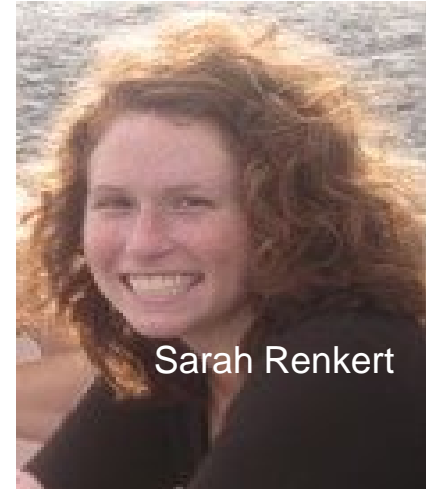


Jerry Ullum sells fresh
produce at the market.

GRANT FUNDED POSITIONS HELPED ENSURE THE SUCCESS OF THE GLOBE-MIAMI FARMERS MARKET

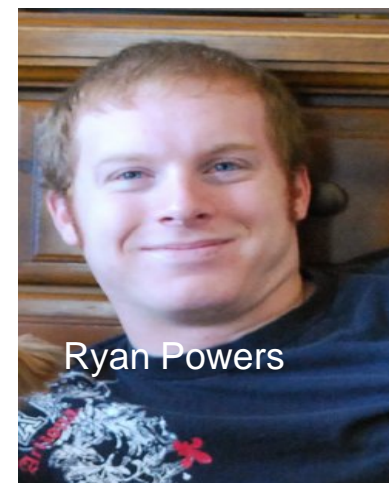
VISTA AmeriCorps volunteer:

- Sarah Renkert (2012-2013)



UA Green Fund “Extern” for
Farmers’ Market:

- Ryan Powers (2012)

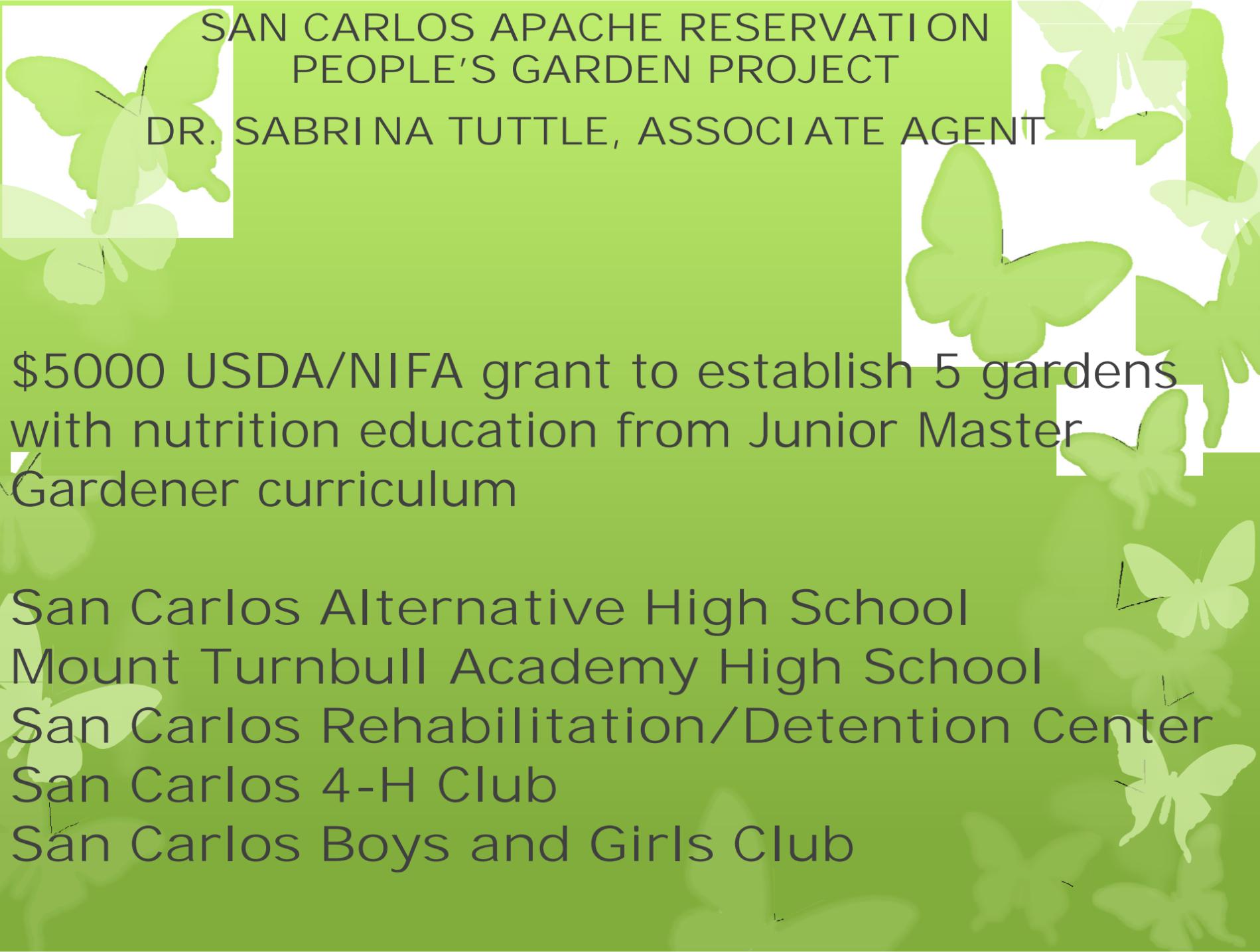


GILA COUNTY MASTER GARDENERS

- 2012 Gila County Garden Workshop series.
- Free programs held in Globe, Young and Payson in spring, summer and fall: 6 total.
- 9 Master Gardeners and 6 local experts participated as presenters.
- 18 volunteers contributed 651 service hours, reaching over 350 county residents.



Renee Zeising presents at the Young Spring Garden workshop.



SAN CARLOS APACHE RESERVATION
PEOPLE'S GARDEN PROJECT

DR. SABRINA TUTTLE, ASSOCIATE AGENT

\$5000 USDA/NIFA grant to establish 5 gardens
with nutrition education from Junior Master
Gardener curriculum

San Carlos Alternative High School
Mount Turnbull Academy High School
San Carlos Rehabilitation/Detention Center
San Carlos 4-H Club
San Carlos Boys and Girls Club

4-H Garden, tended by Ryan "Tiger" Stiffarm



Boys and Girls Club youth mix dried manure into their gardens





TOUCHING KIDS' LIVES WITH SCIENCE & TECHNOLOGY ...SINCE **1913!**

How did Arizona 4-H touch your life? Share your story
with us at **extension.arizona.edu/4h/centennial**



Celebrating the Past ... Creating the Future

College of Agriculture and Life Sciences
The University of Arizona



4-H Youth Development Gila County

“Learning By Doing”

School
Enrichment
Programs

1,000 Children in 2012



Agriculture Awareness

4-H is “Making the Best Better”



In 4-H:
“No Child is Left Inside or Behind”



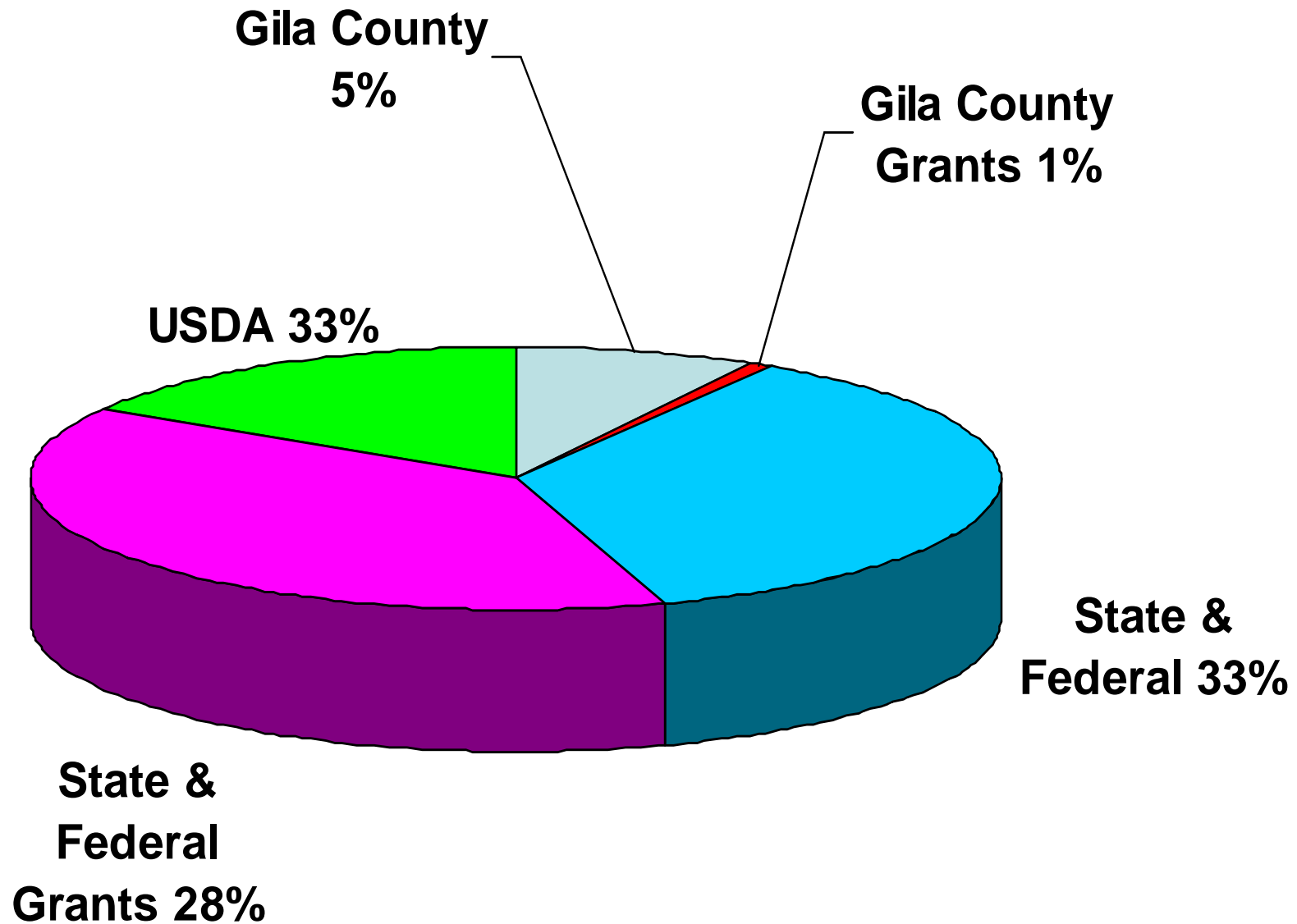
4-H is:
“Reconnecting children
with Nature”



4-H teaches valuable life skills!



Funding for Cooperative Extension



We want to see science applied to the issues we face for that is how America became great.

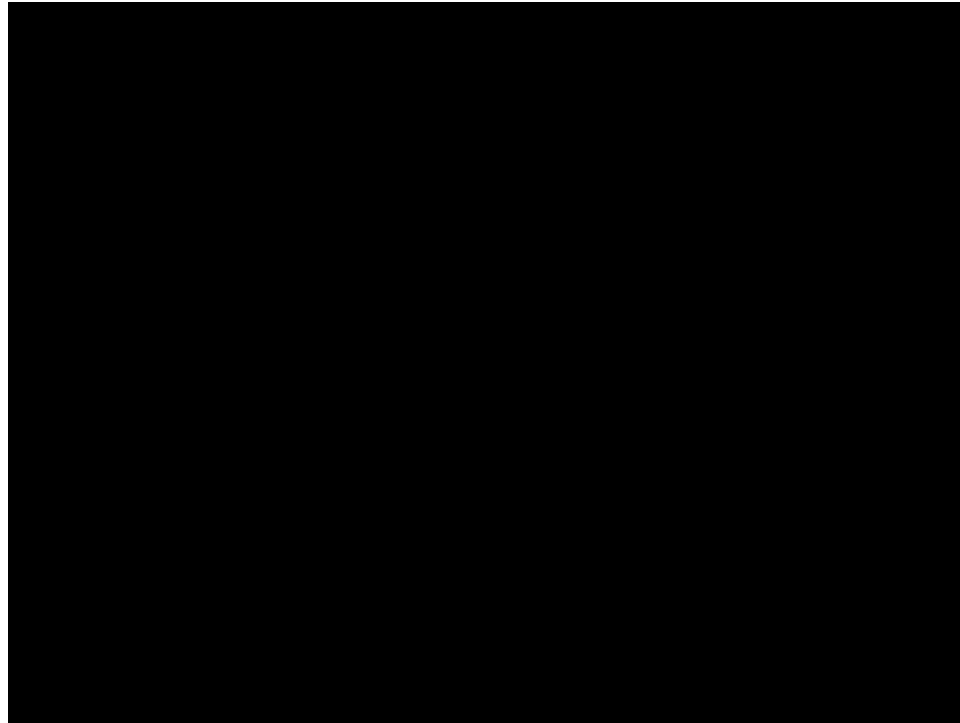


Extension Agents on Tour - 1930

No. 242694 1-10-30 "University of Arizona passenger bus transporting Arizona County Agricultural Agents over the Reserve. Stop made at Box Canyon."

Historic Photo Archive, Santa Rita Experimental Range, University of Arizona, Dr. Mitch McClaran, Curator

The “Corporate Culture” of Cooperative Extension



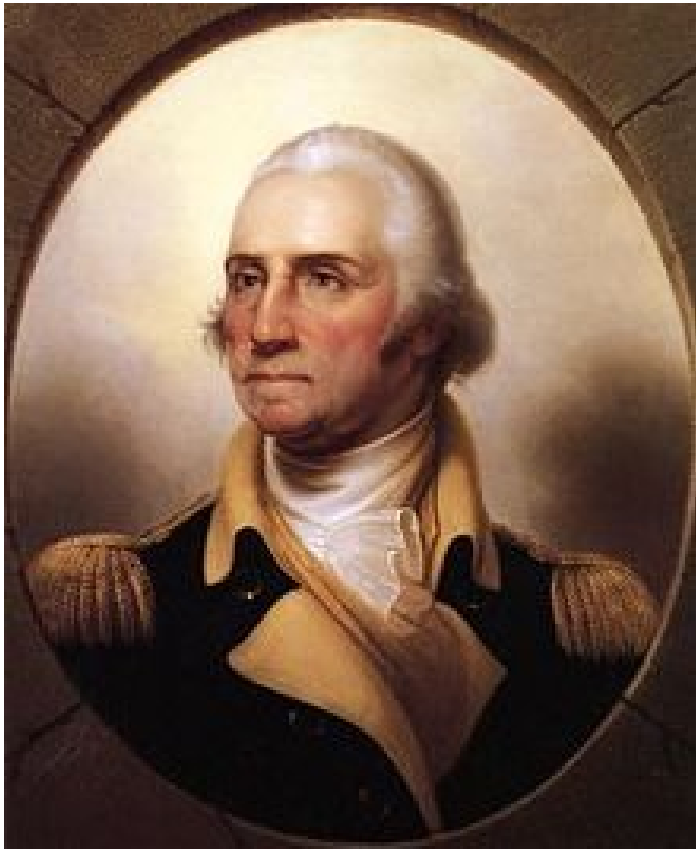


Appendix – History of Extension



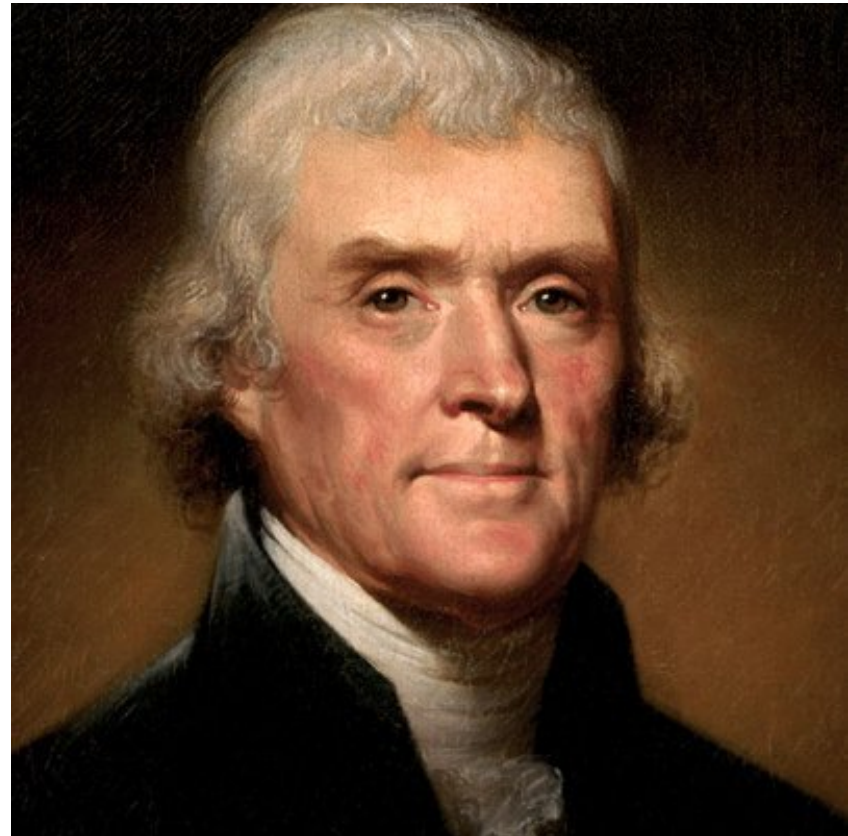
A-1414 1-40 County Agent's Annual Cattlemen Tour. Stop #11. Small group of visitors examining the revegetation work being done by the SCS at Desert Tank area.

- Plant breeder
- Patented plant seeder
- Improved wool of sheep herd
- 1st American to raise mules
- Practiced soil conservation



<http://deyoung.famsf.org/blog/portraits-george-washington-presidents-day>

- Tested 32 varieties of vegetables
- Invented a seed drill
- Designed improved moldboard plow
- Improved other farm machinery
- Practiced soil conservation



<http://www.biography.com/people/thomas-jefferson-9353715>

www.adec.edu/clemson/papers/campbell-chapter1.html

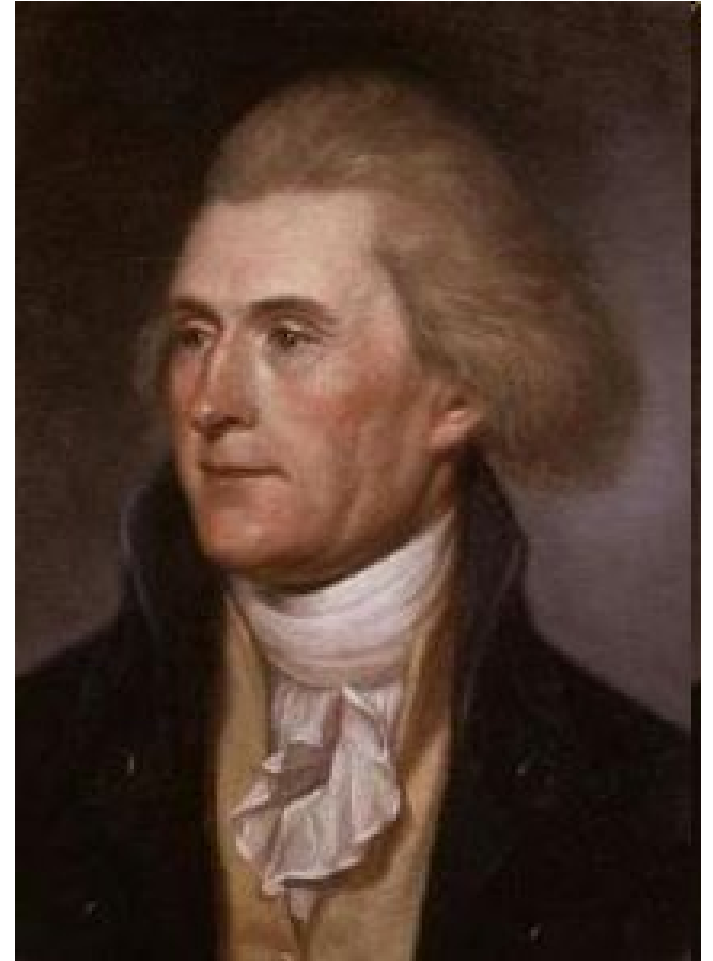


<http://picture-book.com/files/userimages/491u/overlookingfieldscrop.jpg>

*Washington advocated establishing Ag Advisory Boards for research and for education **for the whole nation.***

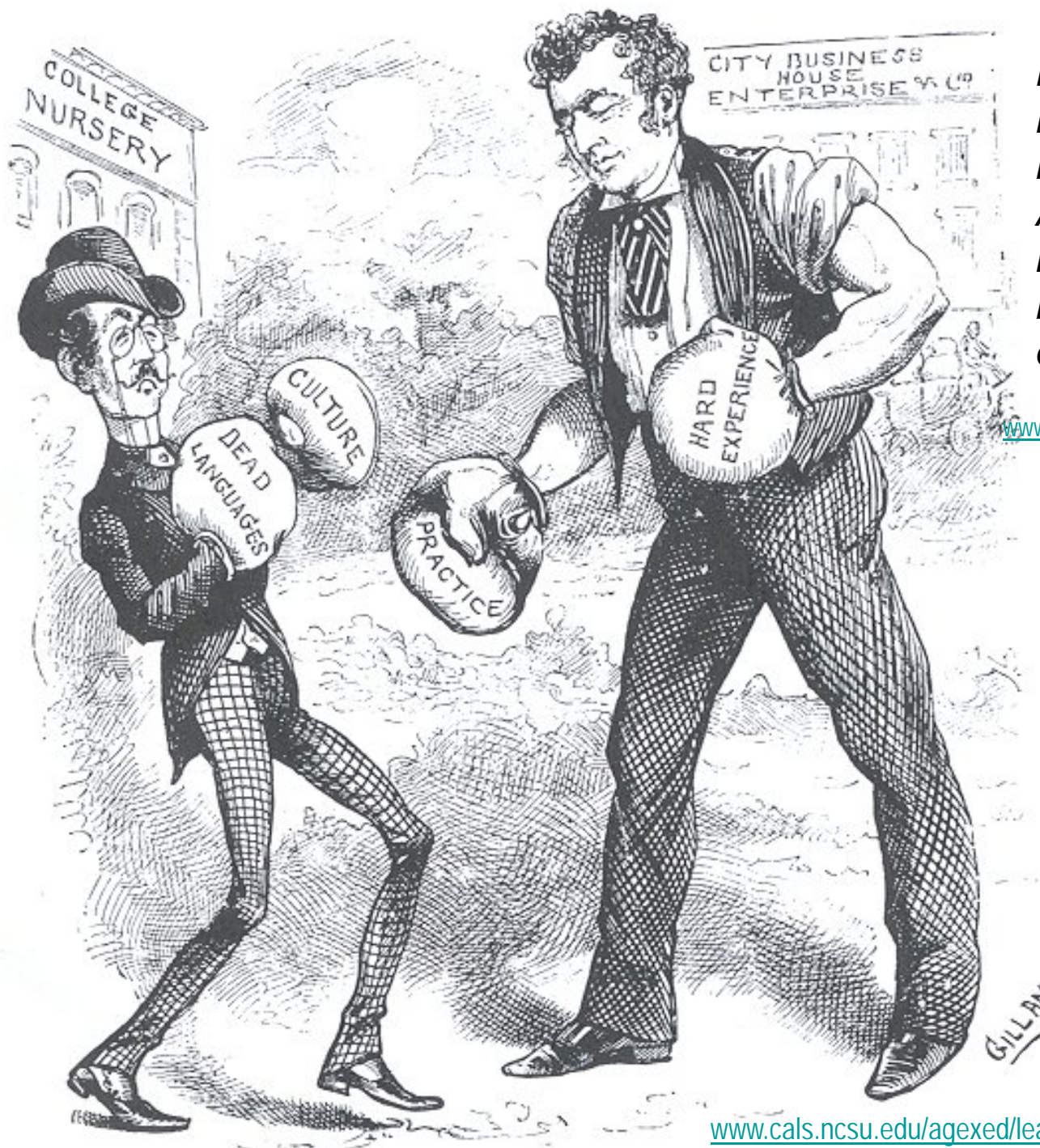
Washington's Eighth Annual Message to Congress ,7 December 1796, Philadelphia

<http://gwpapers.virginia.edu/documents/union/state8.html>



<http://everythingispolitics.org/wp-content/uploads/2012/03/thomasjefferson.jpg>

1786 August 13. (to [George Wythe](#)) "I think by far the most important bill in our whole code is that for the diffusion of knowledge among the people. No other sure foundation can be devised, for the preservation of freedom and happiness..."



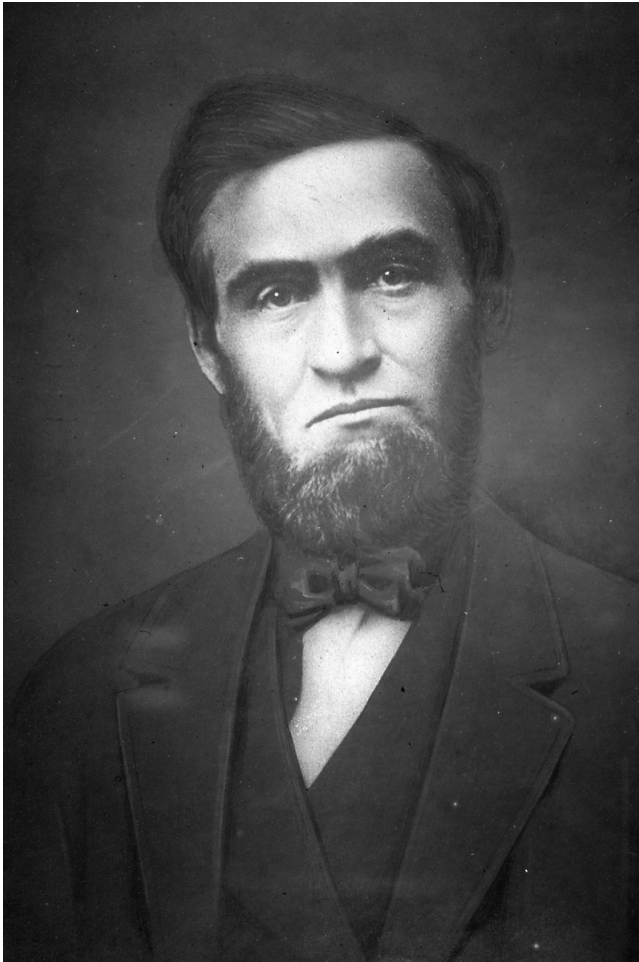
By 1860, 300 colleges in America. Only 10% had courses in science. Agriculture and the mechanical arts were not considered worthy of study.

www.cals.ncsu.edu/agexed/aee501/landgrants.html

www.cals.ncsu.edu/agexed/leap/aee500/evolution_of_education.ppt

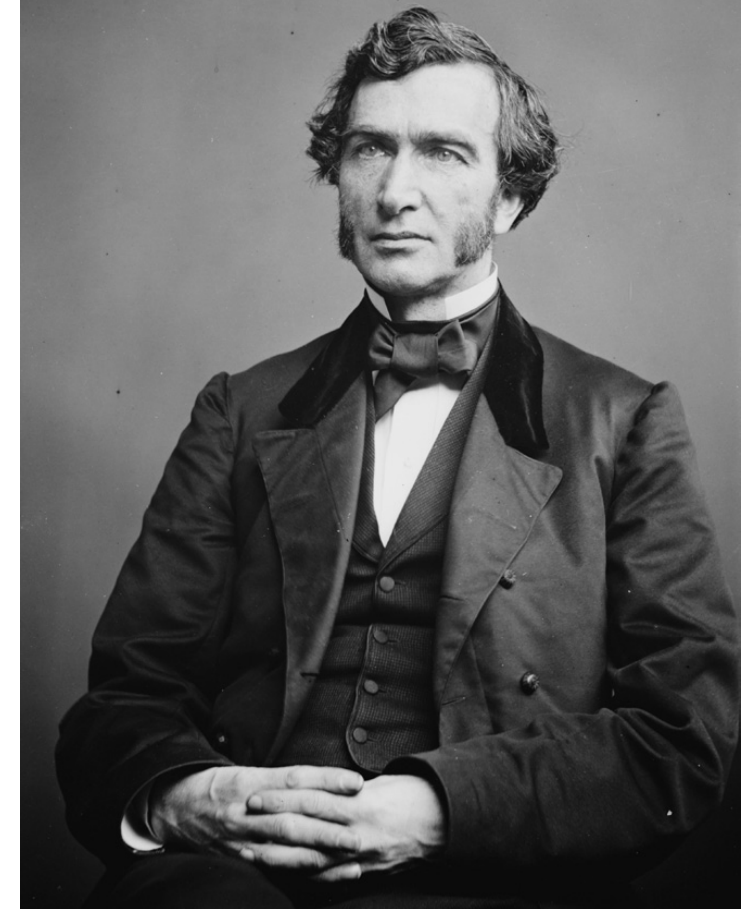
“ A classical teacher who has no original spontaneous power of thought, and knows nothing but Latin and Greek, however, perfectly, is enough to stultify a whole generation of boys and make them all pedantic fools like himself.”

<http://www.cals.ncsu.edu/agexed/aee501/turner.htm>



Jonathan Baldwin Turner
library.illinois.edu

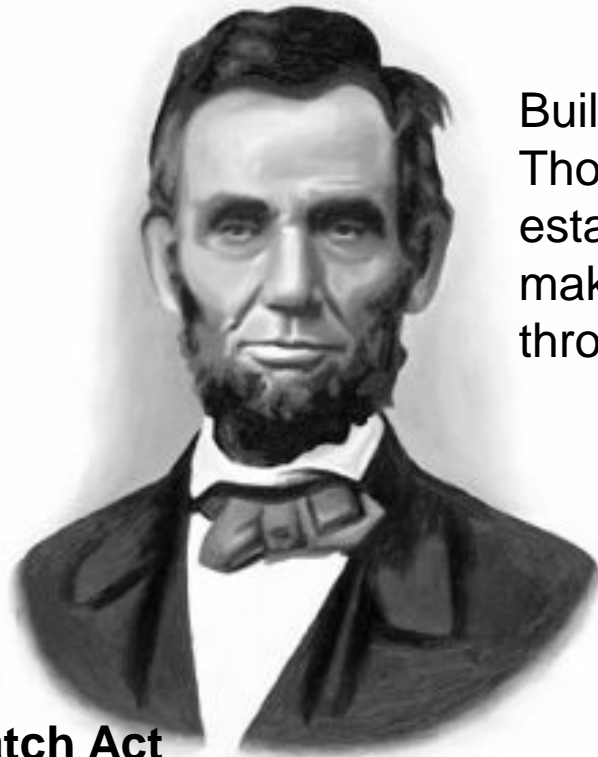
Photo by Matthew Brady



Justin Smith Morrill

“Let us have such colleges as may rightfully claim the authority of teachers to announce facts and fixed laws, and to scatter, broadcast that knowledge which will prove useful in building up a great nation - great in its resources of wealth and power, but greatest of all in the aggregate of its intelligence and virtue.”

<http://www.aplu.org/sslpage.aspx?pid=2377>



Building upon the principles espoused by Thomas Jefferson, land grant Colleges were established 150 years ago (July 2, 1862) to make education more widely available through the Morrill Land Grant College Act.

1887 – Hatch Act

Considerable hue and cry among the agricultural community as well as the academics like Seaman Knapp led to the establishment of federally sponsored agricultural experiment stations at land grant colleges.

1908 – Country Life Commission Report (appointed by Pres. Teddy Roosevelt)

Recommended nationalized extension work to reach every person on the land in each state, so managed to provide both information and inspiration.

1914 – Smith-Lever Act (Submitted every yr. from 1909-14)

Created the Cooperative Extension Service, a joint effort between the college of agriculture in each state and the USDA. 1080 male & 355 female agents hired 1st

Seaman Asahel Knapp (1833-1911)

The Father of the Extension Service

Seventy Years of Preparation for Seven Years of Work.

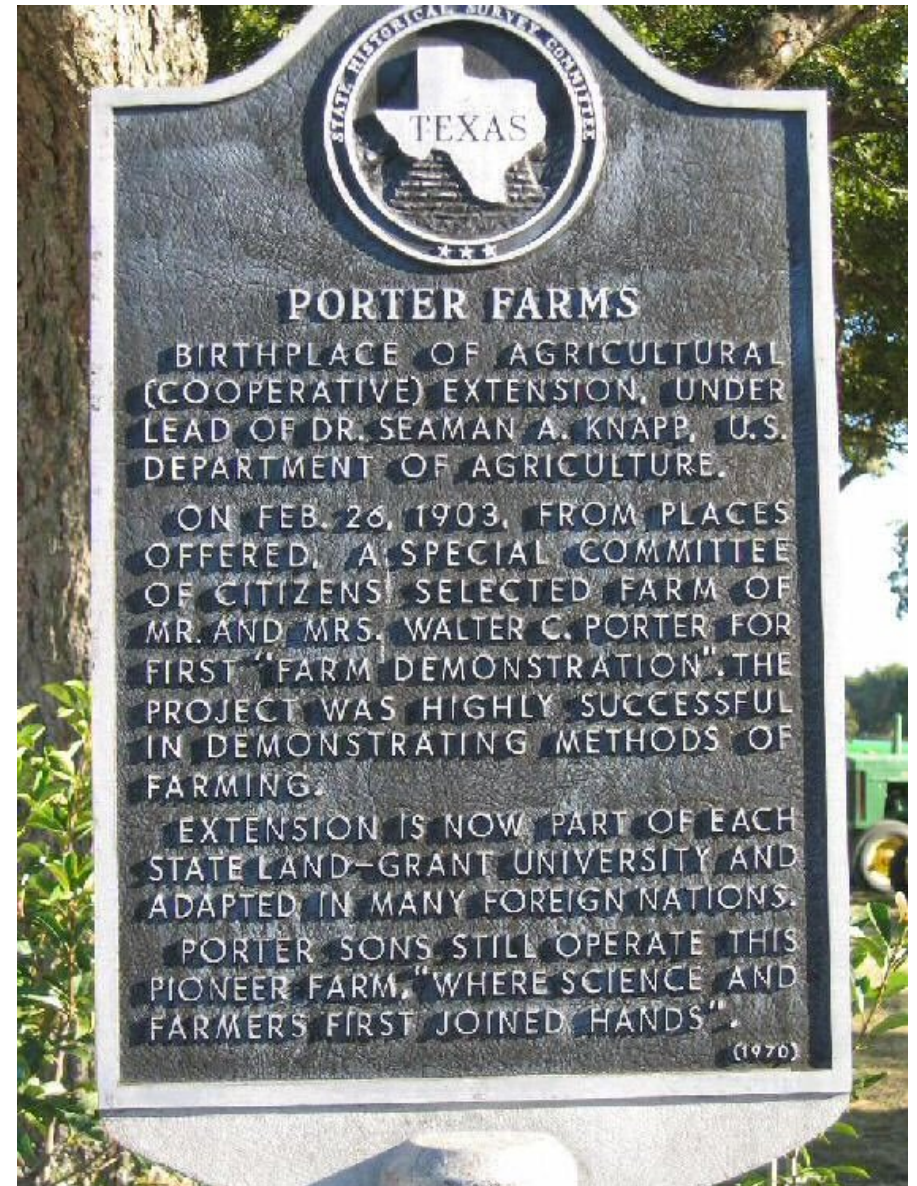
Seaman Knapp had a hand in all 3 missions of the land grant college. He taught and did agricultural research at Iowa State and helped draft a bill for the establishment of Experiment Stations. He also helped found Cooperative Extension. He was also a successful farmer and agricultural journalist.



“It is a sad comment on the hundreds of colleges in the United States that almost without exception they devote more time to the dead languages than to the living, and to foreign languages than to our own. Whatever may be said in favor of this for the diplomat and the professional scholar, it cannot be justified as fitting men and women for practical life on the farm.”

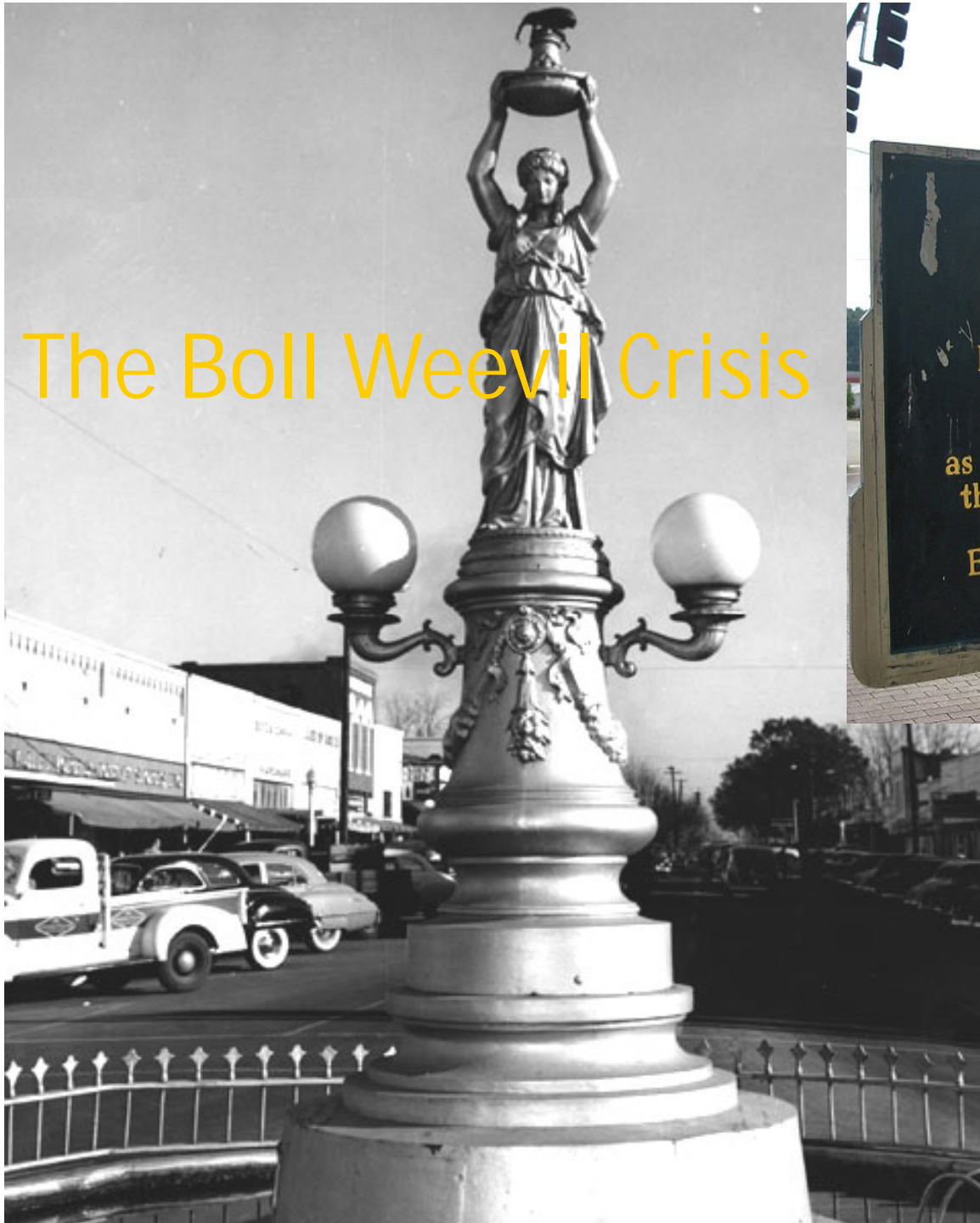


"Each demonstration farm stirs the whole county and a large number of farmers start at once to do their best. This invites investigation. I want your careful consideration to the field thus opened for accomplishing great results in the South."



**"What a man hears, he may doubt;
what he sees, he may also doubt;
but what he does he cannot doubt"**

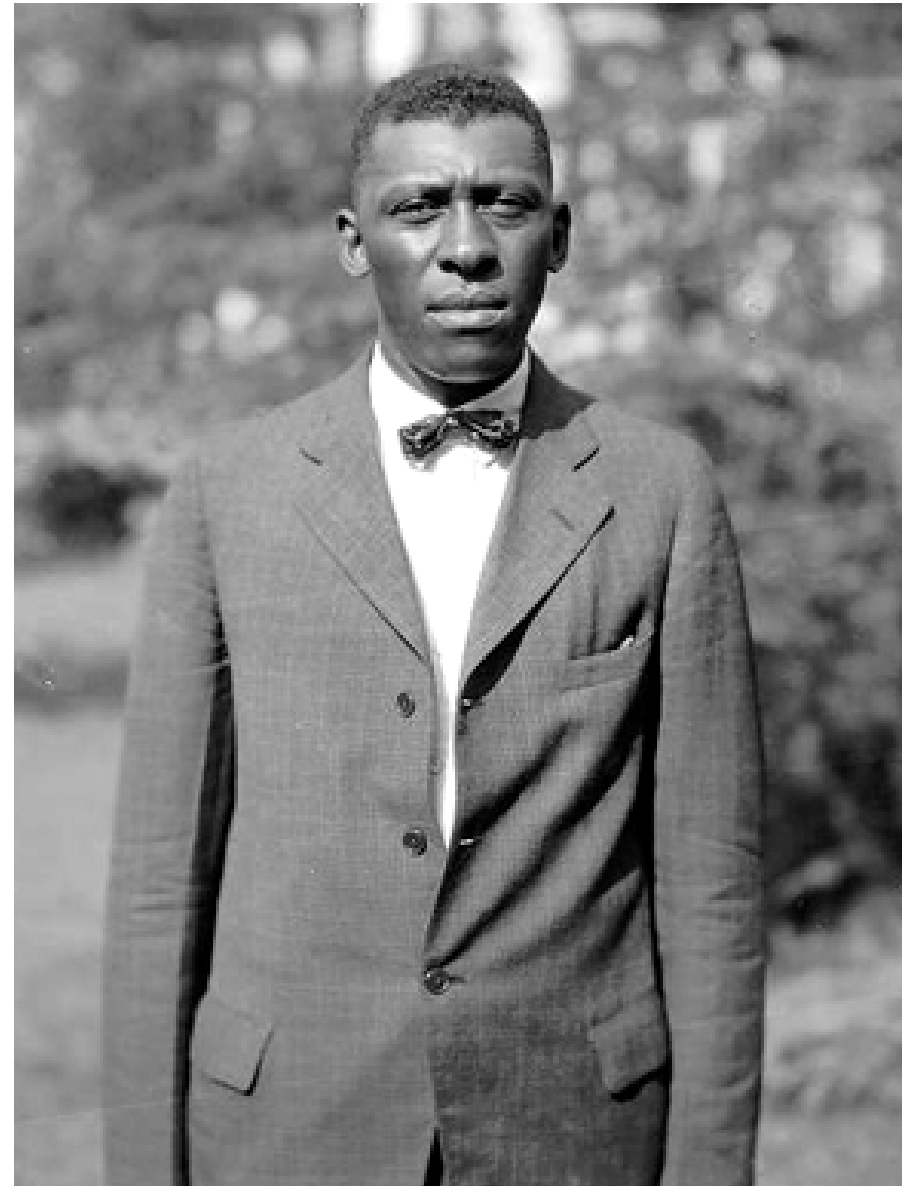
The Boll Weevil Crisis



Knapp, who had toured the area of full infestation some time earlier, wrote: "I saw hundreds of farms lying out; I saw a wretched people facing starvation; I saw whole towns deserted; I saw hundreds of farmers walk up and draw government rations, which were given to them to keep them from want."



W. C. Stallings



Thomas Monroe Campbell

1st Cooperative Extension County Agents, Nov. 12, 1906

<http://www.flickr.com/photos/agrilife/5351693429/>

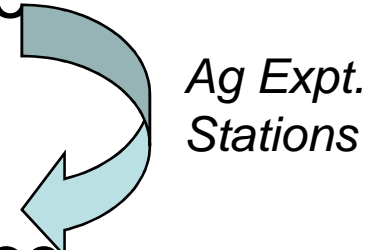
<http://www.encyclopediaofalabama.org/face/Multimedia.jsp?id=m-3801>

Solving the Problem of Agricultural Education

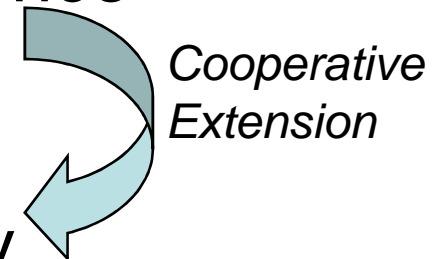
1. No scientific training for agriculture



2. Limited scientific curricula for agriculture



3. Lack of application of agricultural science



4. Being relevant to the needs of society

